

ABSTRACT OF THE DISCLOSURE

A single use disposable unit for the analysis of biological liquids, in particular cell suspensions such as blood, urine, or sperm. The disposable unit includes a diluent chamber, a sample dosage device and a measuring chamber. The sample dosage device has a dosage element into which a dosage capillary is integrated. The dosage element is situated movably in a dosage element chamber in such a manner that one opening of the dosage capillary is connected to a sample loading zone of the disposable unit when the dosage element is in its first position, and when it is in its second position, the diluent chamber and the measuring chamber are connected to one another via the dosage capillary. The measuring chamber has a ventilation valve which is permeable to gas but impermeable to the sample liquid, so that the chamber is completely filled free of any bubbles with the liquid flowing into it.